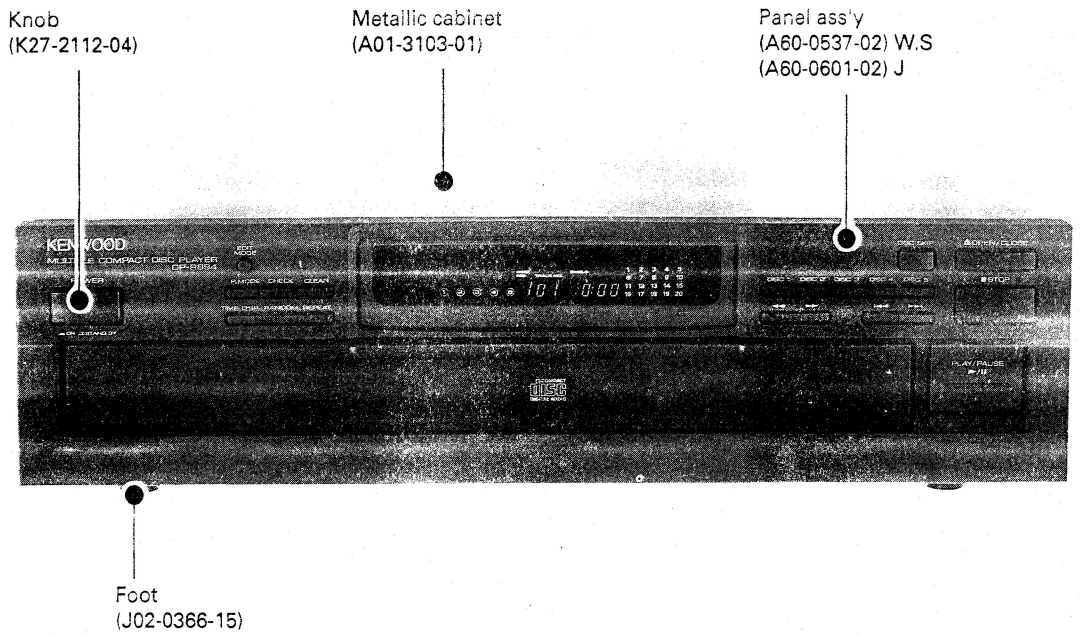
COMPACT DISC PLAYER

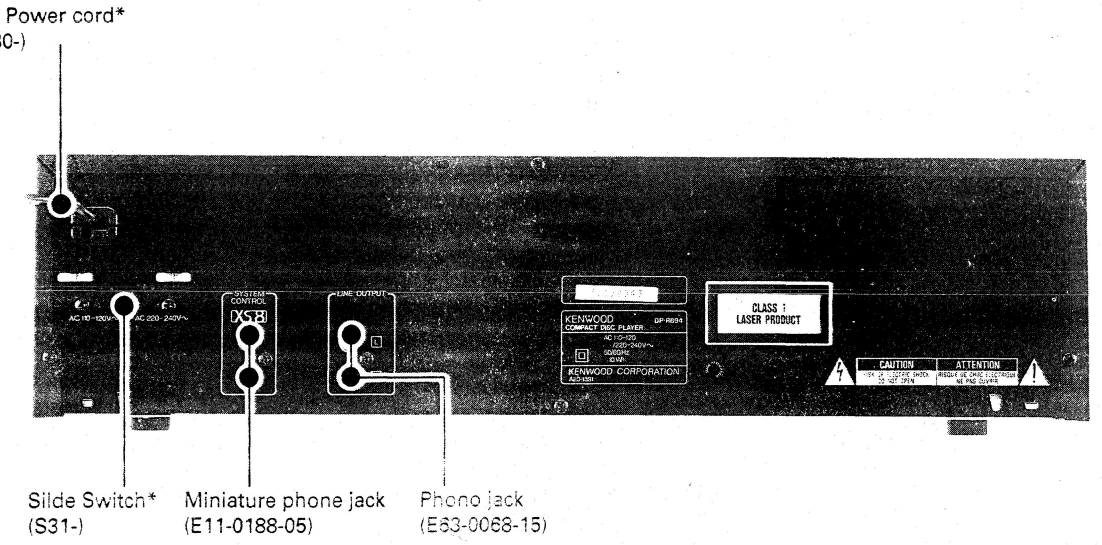
DP-R894/R3060/R4060/R5060

SERVICE MANUAL

KENWOOD

© 1994-3 PRINTED IN KOREA
B51-4877-00(0)3901





In complicance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

***Refer to parts list on page 22.**

Photo is DP-R894

W : Malaysia made
S : Singapore made
J : Japan made

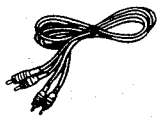
CONTENTS/ACCESSORIES/CAUTION

CONTENTS

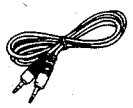
ACCESSORIES 2
CAUTIONS 2
EXTERNAL VIEW
: DP-R3060 3
: DP-R4060 3
: DP-R5060 4
CONTROLS/REMOTE CONTROL 5
DISASSEMBLY FOR REPAIR 6
BLOCK DIAGRAM 7
CIRCUIT DESCRIPTION
1. Test Mode 8
2. Microprocessor : μ PD78043GF-063(IC3) 9
ADJUSTMENT 11
PC BOARD 13
SCHEMATIC DIAGRAM 15
EXPLODED VIEW(MECHANISM) 19
EXPLODED VIEW(UNIT) 20
PARTS LIST 22
SPECIFICATIONS 26

ACCESSORIES

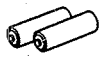
- Audio cord 1
  (E30-0505-05)



- System control cord 1
  (E30-2733-05)



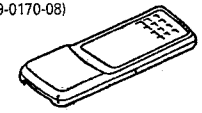
- Battery("AA" or "R6") 2
  (–)



- AC plug adaptor 1
  (M type only : Except for some areas)
  (E03-0115-05)

For the unit with a European AC plug in areas other than Europe.

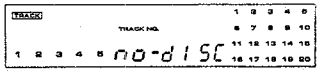
- Remote control unit 1
  (A70-0972-05) DP-R4060
  (A70-0971-05) DP-R5060
- Battery cover
  (A09-0170-08)



CAUTION

• Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.
1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears. Wait further a few seconds.
3. Turn the power OFF.



EXTERNAL VIEW

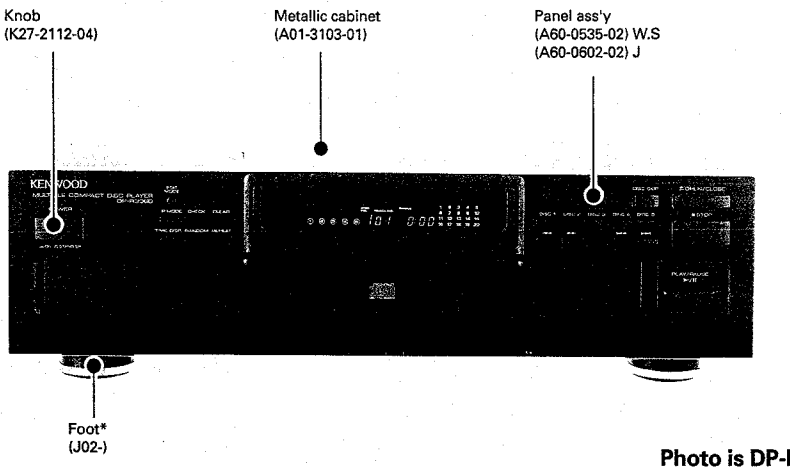


Photo is DP-R3060

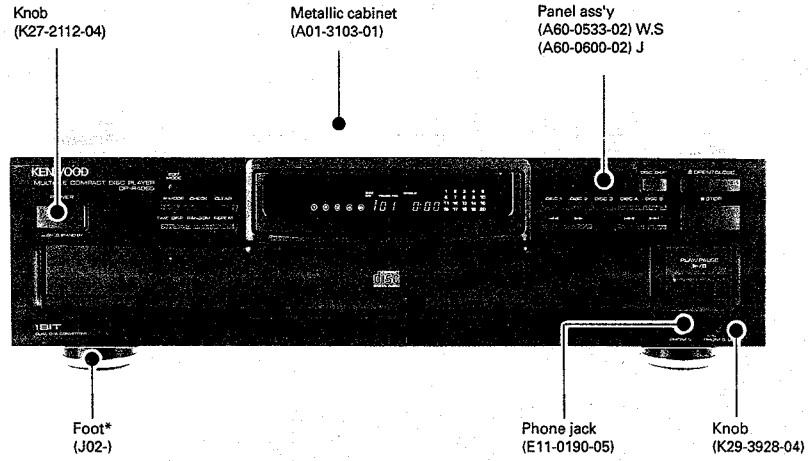


Photo is DP-R4060

***Refer to parts list on page 22.**

W : Malaysia made
S : Singapore made
J : Japan made

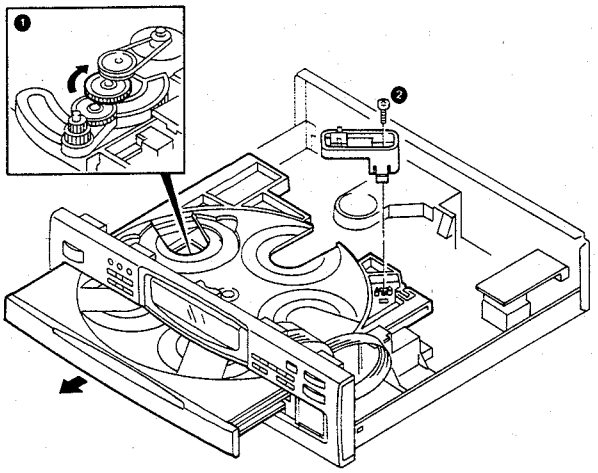
Note:
Rear view of DP-R3060 and DP-R4060 are a same layout of DP-R894

DISASSEMBLY FOR REPAIR

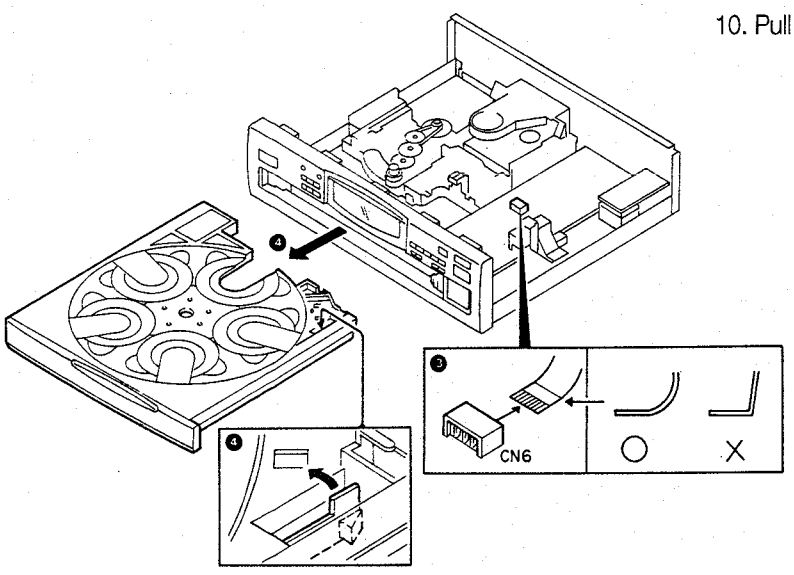
*** Remove the metallic cabinet before the follwing procedure.**

1. How to Remove the Tray and Tray panel

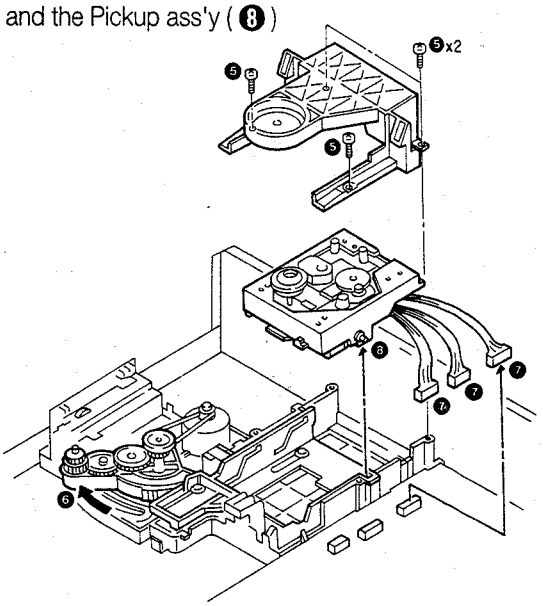
1. Turn the gear clockwise by hand (❶)
2. Remove the sensor (❷)



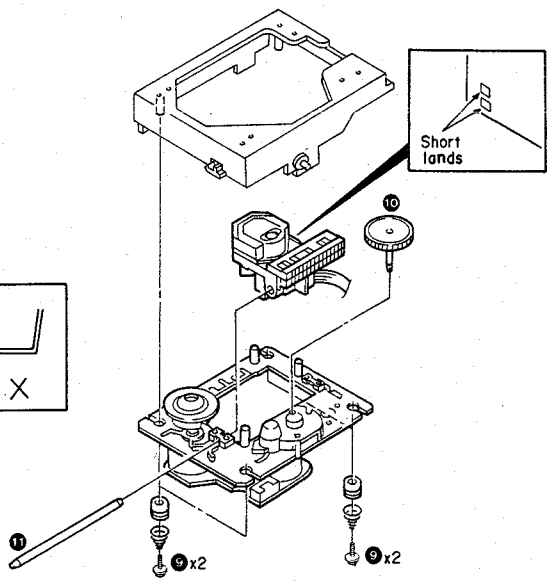
3. Remove the flexible cable (❸)
   NOTE : Be careful of inserting the flexible cable as figure if reinsert it
4. Pull out the rotary tray (❹)



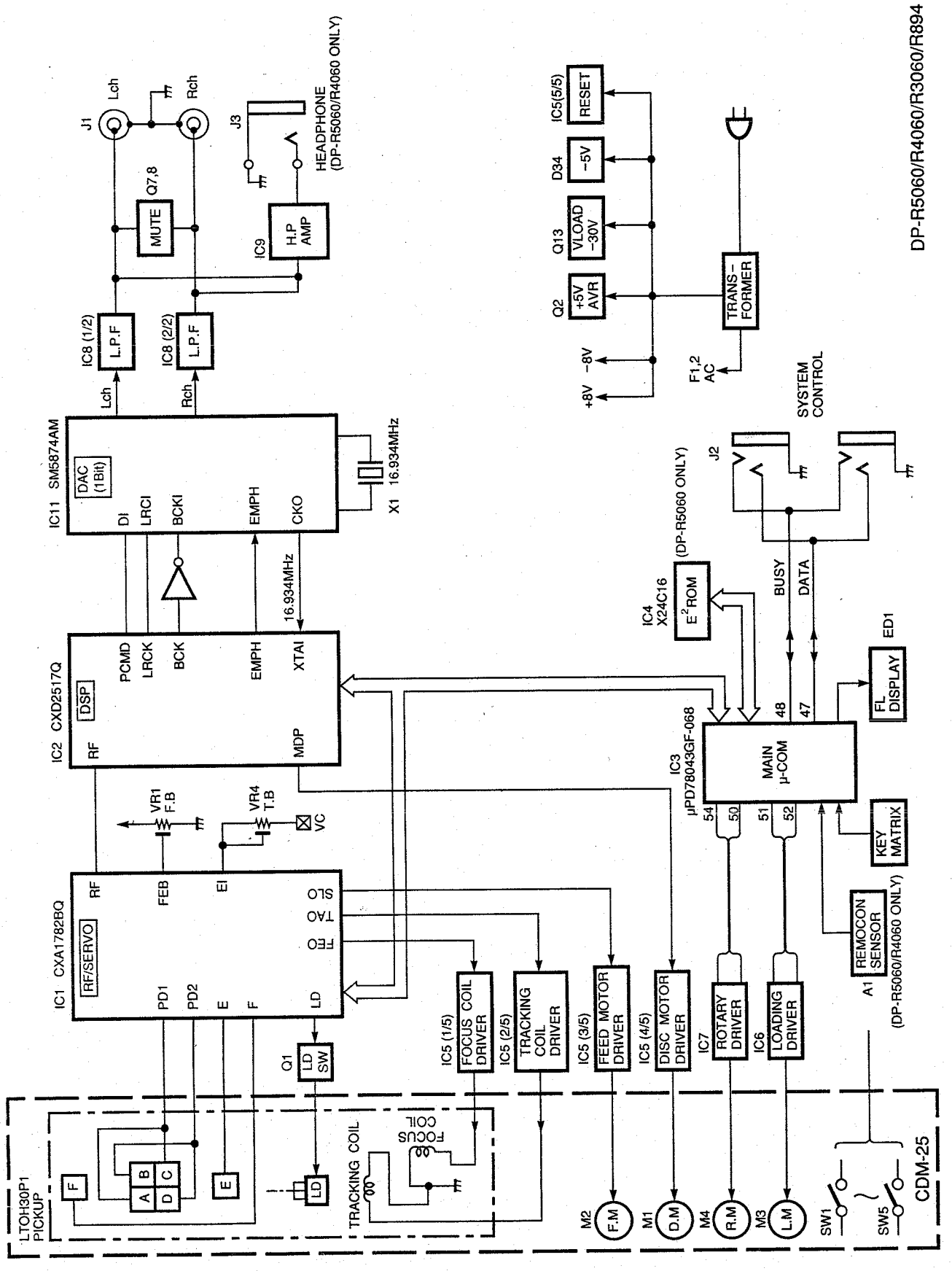
5. Remove screws (❺)
6. Move the gear ass'y to arrow mark (❻)
7. Remove connectors (❼)
   and the Pickup ass'y (❽)



8. Remove screws (❾) and pull out the pickup ass'y.
   NOTE : short-circuit the short lands of the pickup before pulling out it
9. Remove the gear (❿)
10. Pull out the shaft (⓫) and lift up the pickup.



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Test Mode

Setting the test mode

The microprocessor built in the unit can be put to TEST MODE by just pressing the P-MODE key when set to power on.

DP-R series is available to set to each test mode by each key.

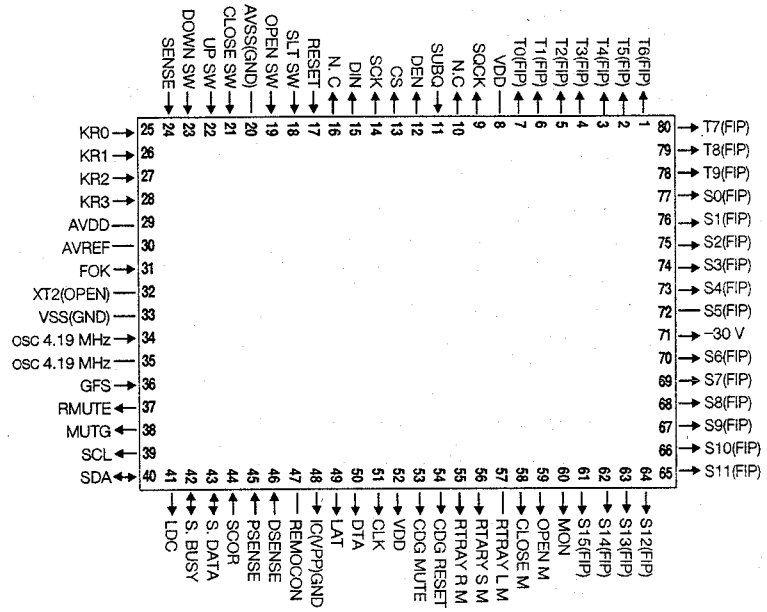
Key vs Function in test mode

STEP	KEY NAME	DESCRIPTION	DISPLAY
1	STOP	(1) Focus servo ..... OFF (2) Tracking servo ..... OFF (3) Feed servo ..... OFF	01
2	CHECK	(1) Focus servo ..... ON (2) Tracking servo ..... OFF (3) Feed servo ..... OFF	03
3	PLAY	(1) Focus servo ..... ON (2) Tracking servo ..... ON (3) Feed servo ..... ON	05
4	DISC1	Search the postion of No.1	
5	UP	Display goes on	
6	DOWN	Display goes off	
7	LINE TEST MODE (DP-R5060 only)	(1) After disc detection, set the unit mode-3 and open the tray. (2) After searching TN 01, playback the disc. (3) After searching the maximum TNs, playback the disc. (4) After stop, close the tray and mechanism goes down before tray-open. At the same time, confirm the communication with EEPROM. ("FILE" segment in the display gose off if communication error.)	

CIRCUIT DESCRIPTION

2. Microprocesseor : μPD78043GF-068(IC3)

2-1. Pin connection



2-2. Pin function

Pin No.	Pin Name	I/O	Description
1-7	1G-7G	O	Display grids(1G-7G)
8	Vdd	-	Power supply(+5V)
9	SQCK	O	Read clock for Q data
10	NC	-	Not use
11	SUBQ	I	Q dada input pin
12	DEN	O	DEN signal control of YVZ152(CDG IC)
13	CS	O	CS signal control of YVZ152
14	SCK	O	SCK signal control of YVZ152
15	DIN	O	DIN signal control of YVZ152
16	NC	I	Not use
17	RESET	-	Reset pin
18	SLT SW	I	Start limit switch signal input
19	OPEN SW	I	Open switch signal input
20	AVss	-	Not use
21	CLOSE SW	I	Close switch signal input
22	UP SW	I	Mechanism up switch signal input
23	DOWN SW	I	Mechanism down switch signal input
24	SENSE	I	SENSE signal input from CXD 2517
25-28	KO-3	I	Key matrix return input
29, 30	AVdd, ret	I	Not use
31	FOK	I	Fok signal input
32	XT2	-	Not use
33	Vss	-	GND
34	X1	I	System clock(4.234MHz)
35	X2	-	Not use
36	GFS	I	Frame signal input
37	RMUTE	O	Analog mute control

Pin No.	Pin Name	I/O	Description
38	MUTG	O	Digital mute control
39	SCL	O	Clock control of X24C16(EEPROM)
40	SDA	I/O	Clock control of X24C16(EEPROM)
41	LDC	O	Laser signal outputt
42	BUSY	I/O	Serial BUSY signal I/O
43	SDATA	I/O	Serial DATA signal I/O
44	SCOR	I	Sub code frame synchro detection
45	PSENSE	I	Position sensor detection
46	DSENSE	I	Disc sensor detection
47	REM	I	Remote control signal input
48	IC(Vpp)	-	Not use
49	LAT	O	Latch signal output
50	DATA	O	Data signal output
51	CLK	O	Clock signal output
52	Vdd	-	Power supply(+5V)
53	CDG MUTE	O	MUTE control of YVZ152(CDG IC)
54	CDG RESET	O	RESET control of YVZ152(CDG IC)
55	RTRAYR	O	Rotary tray motor control(CW)
56	RTRAY S	O	Rotary tray motor control(SPEED DOWN)
57	RTRAY L	O	Rotary tray motor control(CCW)
58	CLOSE M	O	Close motor control
59	OPEN M	O	Open motor control
60	MON	O	Focus work control
61-70	Sg-p	O	Display segment control
71	Vload	-	Display driver negative power supply(-35V)
72-77	Sa-f	O	Display segment control(key scan)
78-80	8G-10G	O	Display digit control

CIRCUIT DESCRIPTION

2-3. Pin function

Pin No.	Pin Name	I/0	Description
1	Vss	-	Ground (digital)
2	RESET	I	Reset pin (low active)
3	RAS	O	DRAM I/F data (LSB)
4	CAS	O	DRAM I/F data
5	WE	O	DRAM I/F data
6	VD0	I/O	DRAM I/F data
7, 8	VD 1, 2	I/O	DRAM I/F data
9	VD 3	I/O	DRAM I/F data (MSB)
10	VA 0	I	DRAM I/F address (LSB)
11-16	VA1-6	I	DRAM I/F address
17	VA 7	I	DRAM I/F address (MSB)
18, 19	SEL 0,1	IP	Sub code I/F (select)
20	MUTE	I	Sub code I/F (sub code data mute)
21	SUB	I	Sub code I/F (sub code data)
22	RCK	I/O	Sub code I/F (clock)
23	SFSY	I	Sub code I/F (frame synchro)
24	SBSY	I	Sub code I/F (block synchro)
25	TEST 0	IP	Test pin
26	Vdd	-	Power supply (+5V. digital)
27, 28	TEST 1, 2	IP	Test pin
29	DOUT	OT	Microprocessor I/F (serial data output)
30	DIN	I	Microprocessor I/F (serial data input)
31	CS	I	Microprocessor I/F (chip select)
32	Vss	-	Ground(digital)
33	SCK	I	Microprocessor I/F (serial clock input)
34	W/R	I	Microprocessor I/F (read/ write)
35	RQ	O	Microprocessor I/F (sub code read)
36-49	NC	-	-
50	YS	O	Super impose timing output
51	AVss	-	Ground (analog)
52	R	O	R of RGB output
53	G	O	G of RGB output
54	B	O	B of RGB output
55	AVdd	-	Power supply (+5V. analog)
56	CSYNC	O	Composite synchro signal output
57	FSC	O	NTSC sub-carrier clock output (3.579545MHz)
58	Vdd	-	Power supply (+5V. digital)
59	VRESET	IP	Vertical timing reset input
60	HSYNC	O	Holizontal synchro output
61	DEN	IP	Display enable (L=indicate data)
62	PAL	IP	NTSC/PAL selector (H=NTSC)
63	XIN/OUT	I.O	Crystal oscillation pin (14.31818MHz)

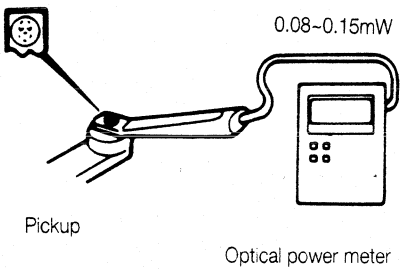
Ip=an input pin with pull up resistor
OT=tri-state output

ADJUSTMENT

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG
	Remove the clamper ass'y before step 1. And remount it after step 1.						
1	LASER POWER	–	Set the sesor section of the optical power meter on the pickup lens.	With pressing the P.MODE key, turn the power on to enter the test mode. Press the "CHECK" key to check that the display is "03".	–	On the power from 0.08 to 0.15mW, when the diffraction grating is correctly aligned with the RF level of 1.0Vp-p or more	(a)
	Cancel test mode and open the tray to load the disc.						
2	TRACKING ERROR	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN3-1) CH2: TE (CN3-6)	Load disc and set to test mode. Confirm the display is "03".	TE BALANCE VR4	Symmetry between upper and lower or DC=0±0.025V	(c)
3	FOCUS ERROR	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF(CN3-1) CH2: TE(CN3-6)	Press the PLAY key. Confirm that the display is " 05 ".	FE BALANCE VR1	Optimum eye pattern	(d)
4	FOCUS GAIN	Test disc Type 4 Apply signal of 1.0kHz,50mVrms to CN3 pin 2-3.	Connect a LPF to CN3 pin 2-3 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the display is " 05 ".	FOCUS GAIN VR2	Two VTVMs should read the same value.	(e)
5	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz,50mVrms to CN3 pin 5-6.	Connect a LPF to CN3 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the display is " 05 " .	TRACKING GAIN VR3	Two VTVMs should read the same value.	(e)

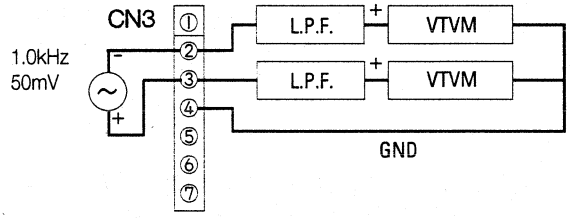
(Note) Type 4 disc: SONY YDS-18 Test Disc or equivalent.
LPF: Around 47kohms+390pF or so.
Step 1~5 are in Test Mode.

(a) Laser power

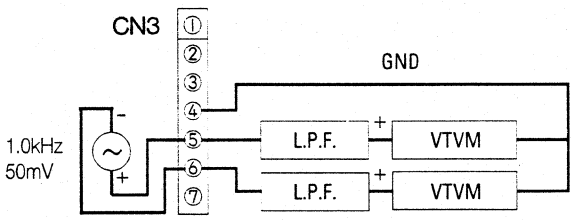


(e) Focus Gain, Tracking Gain

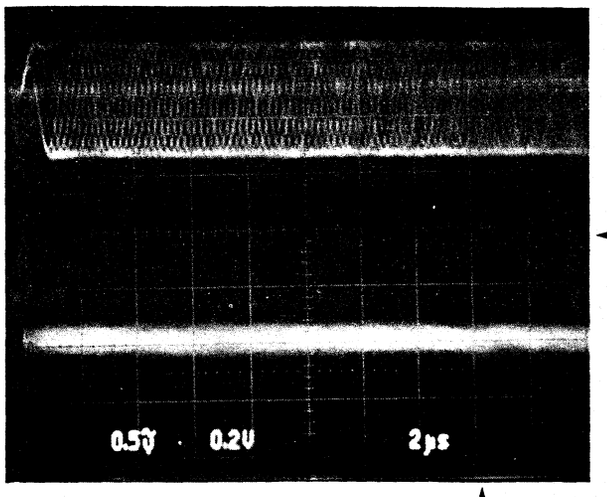
Focus gain



Tracking gain



ADJUSTMENT



CH1 RF
0.5V/div

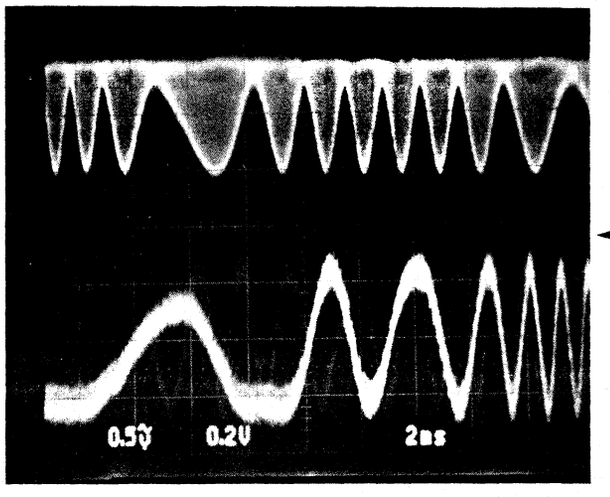
← VREF : 2.1V

CH2 E.Spot
0.2V/div

(2µsec/div)

projection

- RF signal and E.Spot signal in test mode (PLAY).
- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of appox. 18us after RF signal, in the form of a projection.



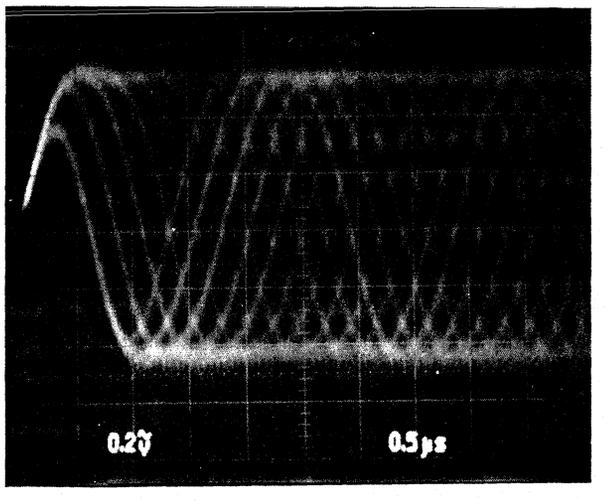
CH1 RF
0.5V/div

← VREF : 2.1V

CH2 T.Error
0.2 V/div

(20msec/div)

- RF signal and T.Error signal in test mode (Focusing ON). (Disc Type 4).
- Adjust T.Error so that the waveform is symmetrical above and below VREF (VR4).



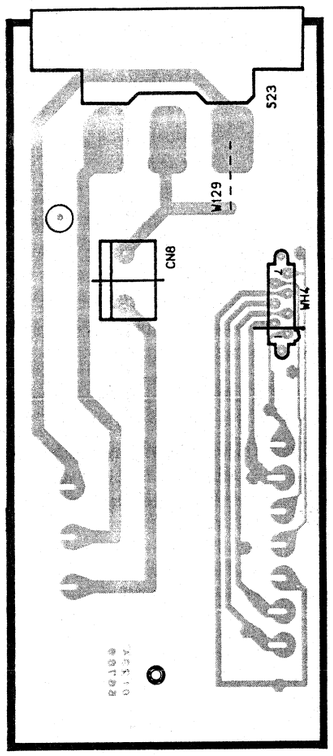
RF signal
0.5V/div

- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset adjustments so that each of the center cross points are focused into one point on the display.
  The crossing points above and below the center shall also be displayed clearly.

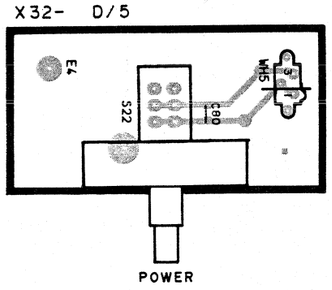
PC BOARD (COMPONENT SIDE VIEW)

X32-2XXX-XX C/5

AC110-120V~ ⟷ AC220-240V~

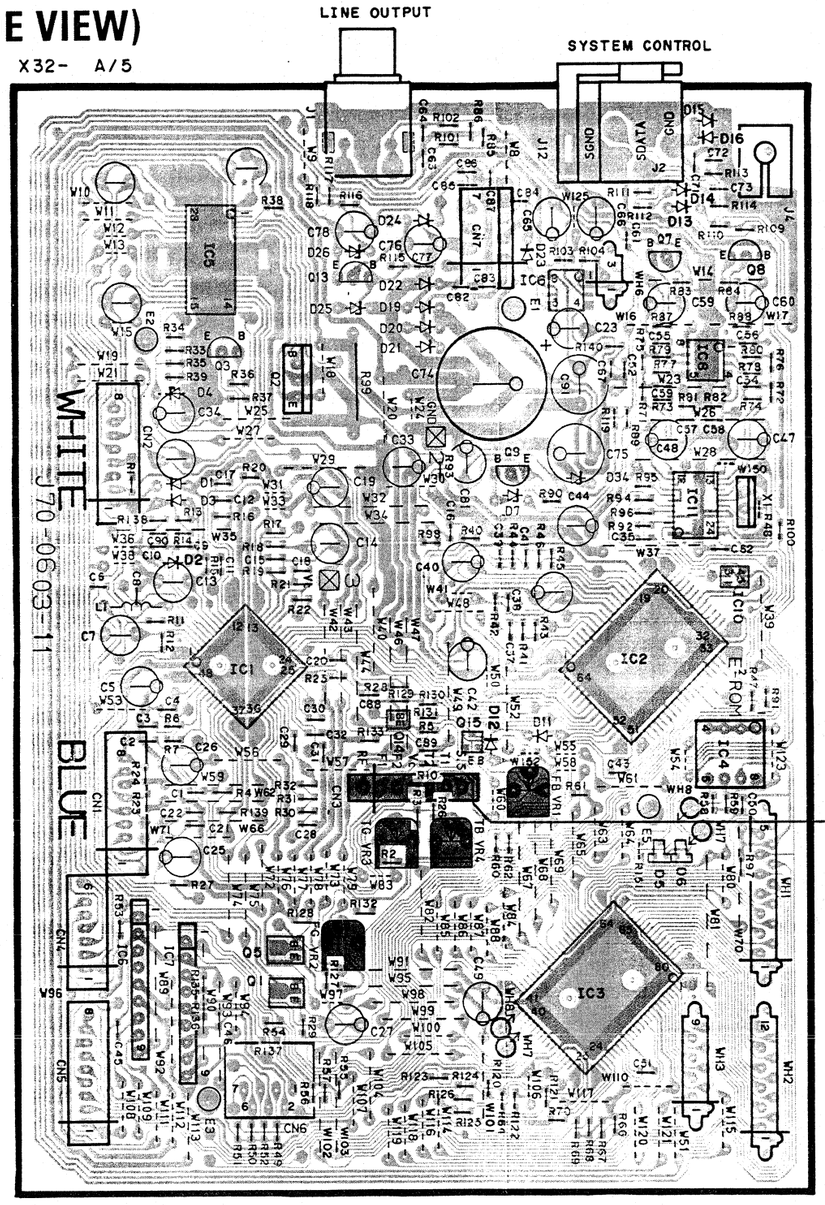


X32- D/5

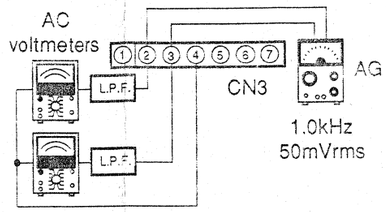


POWER

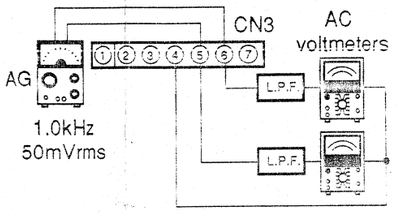
X32- A/5



(e) Focus gain : Two VTVMs should read the same value.

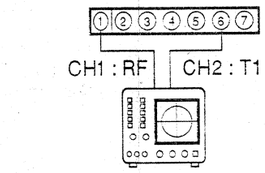


(e) Tracking gain : Two VTVMs should read the same value.



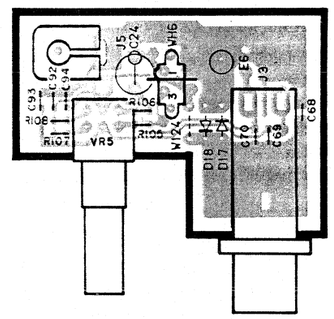
(c) Tracking error : Symmetry between upper and lower or DC=0±0.025V

(d) Focus error : Optimum eye pattern

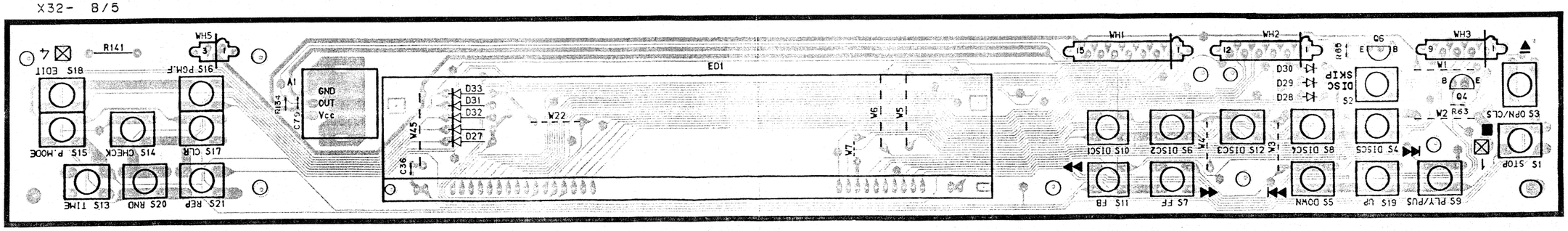


Oscilloscope

X32- E/5



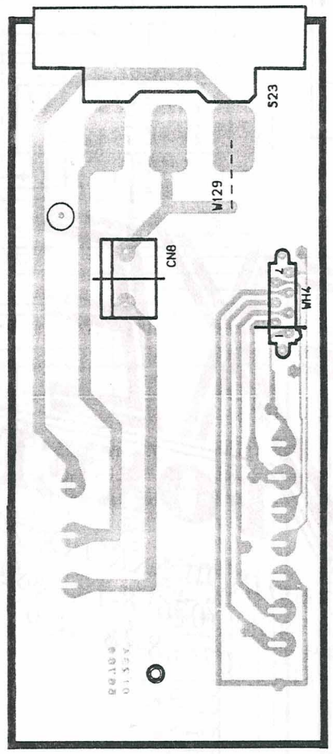
X32- B/5



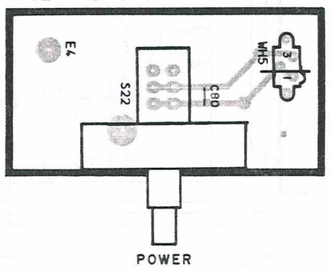
PC BOARD (COMPONENT SIDE VIEW)

X32-2XXX-XX C/5

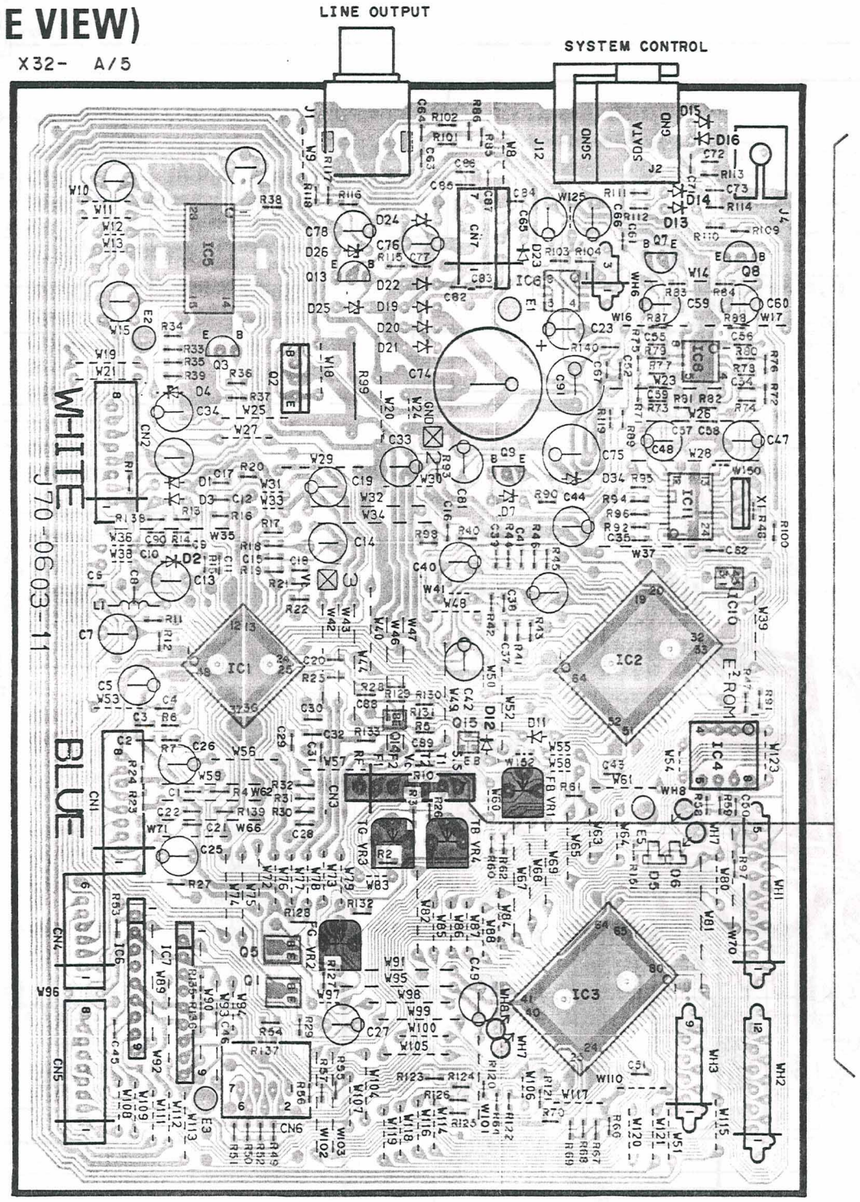
AC110-120V~ ⟷ AC220-240V~



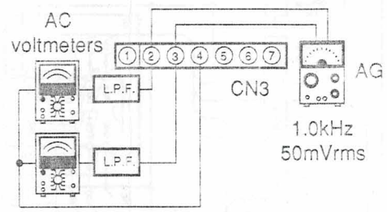
X32- D/5



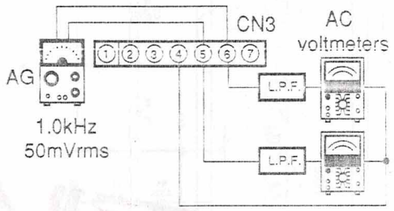
X32- A/5



(e) Focus gain : Two VTVMs should read the same value.

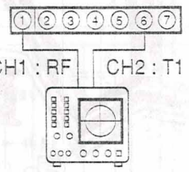


(e) Tracking gain : Two VTVMs should read the same value.

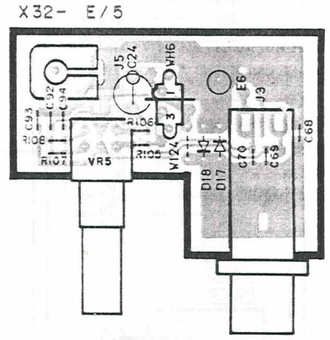


(c) Tracking error : Symmetry between upper and lower or DC=0±0.025V

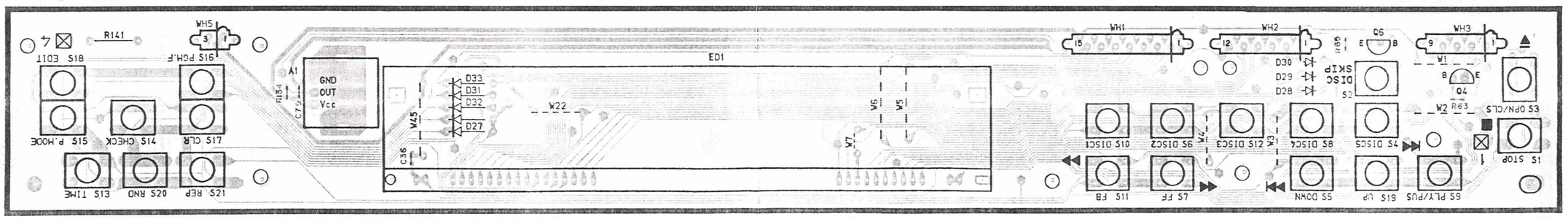
(d) Focus error : Optimum eye pattern



X32- E/5



X32- B/5



CD PLAYER UNIT
(X32-262X-XX)(A/5)

SIGNAL LINE
GND LINE
+B LINE
-B LINE

(X25-)
(A/2)

CN1 TRY1-M (TRM) TRY2-M (TRM) PH1(C) GND PH2(A) PH1(A) PH2(C)

R.M
ROTARY MOTOR
PHOTO DIODE
D1
PH1
PHOTO INTERRU-PTER
D1:SIR-33ST3
WH1
PHOTO TRANSISTER
PH2

(X25-5500-10) (B/2)
(X25-5500-21) (B/2)

CLAMP SW UP/DOWN — DOWN-SW, GND, UP-SW
TRAY SW OPEN/CLOSE — CLS-SW, GND, OPN-SW, CLS-M (TLM), OPN-M (TLM)
LOADING MOTOR — L.M
SLT — SL-SW, SL-SW (GND), FM-
FEED MOTOR — FM+
DISC MOTOR — D.M — DM-, DM+
FOCUS COIL — FC+, FC-
TRACKING COIL — TC+, TC-
LD — -VPD, PD, GND, LD
MONITOR
PICKUP — E, A, D, B, C, F, GND, K, E, F

MECHA. ASSY (CDM-25)
(X92-1930-21/X92-1960-21)

CN5 DOWN-SW, GND, UP-SW, CLS-SW, GND, OPN-SW, CLS-M (TLM), OPN-M (TLM)
CN4 SL-SW, SL-SW (GND), FM-, FM+, DM-, DM+
CN2 FC+, TC-, TC+, FC-, -VPD, PD, GND, LD
CN3 RF, FE1, FE2, VC, TE2, TE1, S.S
CN1 D, C, B, A, GND, K, E, F

DISC,FEED MOTOR FOCUS,TRACKING COIL DRIVER
+5V AVR
RESET
F-GAIN
T-GAIN
L.D.P
SENS
MON
SW
LD CONTROL

IC1 (BOTTOM VIEW)
RF AMP SERVO CONTROL

IC2
DIGITAL SIGNAL PROCESSOR

IC3
μ-COM

IC5 — IC6 LOADING MOTOR DRIVER — IC7 ROTARY MOTOR DRIVER

IC8 (1/2) — IC8 (2/2)

IC10 INV

IC11 D/A CONVERTER

X1 16.934MHz

MUTING

2SA954
2SC2878

2SC2458

DTA124EU
2SC4081

2SB1308

2SB1370

2SC3311A

2SB1375

NJM4580E

TA8409S

NJM4565M

SM5874AM

IC1 :CXA1782BQ
IC2 :CXD2517Q
IC3 :μPD7804JGF-068
IC4 :X24C16
IC5 :BA6398FP
IC6,7 :TA8409S
IC8 :NJM4565M
IC9 :NJM4580E
IC10 :TC7S04F
IC11 :SM5874AM

ED1 :10-BT-131GK
A1 :W02-1046-05

D1~3,11~18,27~33 :HSS104 or 1SS133
D4 :HZS2.7N(B2) or RD2.7ES(B2)
D5,6 :DA204U
D7 :HZS6.8N(B2) or RD6.8ES(B2)
D19~24 :1SR139-100(T64) or S5688B(TPB5)
D25 :HZS30N(B) or RD30ES(B)
D26,34 :HZS5.6N(B2) or RD5.6ES(B2)

Q1,5 :2SB1308(Q,R)
Q2 :2SB1370(E,F) or 2SB1375
Q3,4,6,9 :2SC3311A(Q,R) or 2SC2458(Y,GR)
Q7,8 :2SC2878(B)
Q13 :2SA954(L,K)
Q14 :2SC4081(R,S)
Q15 :DTA124EU

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DP-R4060

PRODUCT.P.	DESTINATION COUNTRY	ABB.	UNIT NAME	A	B	C	S16	S23	W129	D27
JAPAN MADE	U.S.A. CANADA MEXICO AUSTRALIA U.K. EUROPE	K P R X T E	X32-2750-11	YES	YES	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2750-22	YES	YES	NO	NO	YES	NO	NO
SINGAPORE MADE	MEXICO AUSTRALIA U.K. EUROPE	R X T E	X32-2620-11	YES	YES	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2620-22	YES	YES	NO	NO	YES	NO	NO
MALAYSIA MADE	U.S.A. CANADA MEXICO AUSTRALIA U.K. EUROPE	K P R X T E	X32-2620-11	YES	YES	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2620-22	YES	YES	NO	NO	YES	NO	NO

DP-R5060

PRODUCT.P.	DESTINATION COUNTRY	ABB.	UNIT NAME	A	B	C	S16	S23	W129	D27
JAPAN MADE	U.S.A. CANADA MEXICO AUSTRALIA	K P R X	X32-2750-12	YES	YES	YES	YES	NO	YES	YES
	PX GENERAL MARKET	Y M	X32-2750-23	YES	YES	YES	YES	YES	NO	YES
SINGAPORE MADE	MEXICO AUSTRALIA	R X	X32-2620-12	YES	YES	YES	YES	NO	YES	YES
	PX GENERAL MARKET	Y M	X32-2620-23	YES	YES	YES	YES	YES	NO	YES
MALAYSIA MADE	U.S.A. CANADA MEXICO AUSTRALIA	K P R X	X32-2620-12	YES	YES	YES	YES	NO	YES	YES
	PX GENERAL MARKET	Y M	X32-2620-23	YES	YES	YES	YES	YES	NO	YES

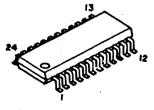
DP-R894/DP-R3060

PRODUCT.P.	DESTINATION COUNTRY	ABB.	UNIT NAME	A	B	C	S16	S23	W129	D27
JAPAN MADE	U.S.A. CANADA MEXICO AUSTRALIA	K P R X	X32-2750-10	NO	NO	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2750-21	NO	NO	NO	NO	YES	NO	NO
SINGAPORE MADE	MEXICO AUSTRALIA	R X	X32-2620-10	NO	NO	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2620-21	NO	NO	NO	NO	YES	NO	NO
MALAYSIA MADE	U.S.A. CANADA MEXICO AUSTRALIA	K P R X	X32-2620-10	NO	NO	NO	NO	NO	YES	NO
	PX GENERAL MARKET	Y M	X32-2620-21	NO	NO	NO	NO	YES	NO	NO

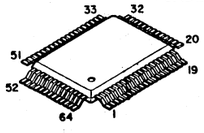
(K,P,R)
AC120V 60Hz
(X)
AC240V 50Hz
(Y)
AC110-120V/220-240V
50/60Hz
(M)
AC110-120V/220V/
230-240V 50/60Hz

DP-R5060/R4060/R3060/R894(K)

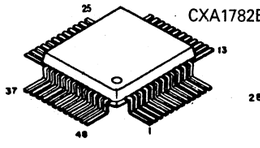
SM5874AM



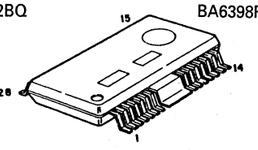
CXD2517Q



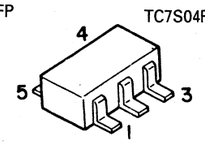
CXA1782BQ



BA6398FP

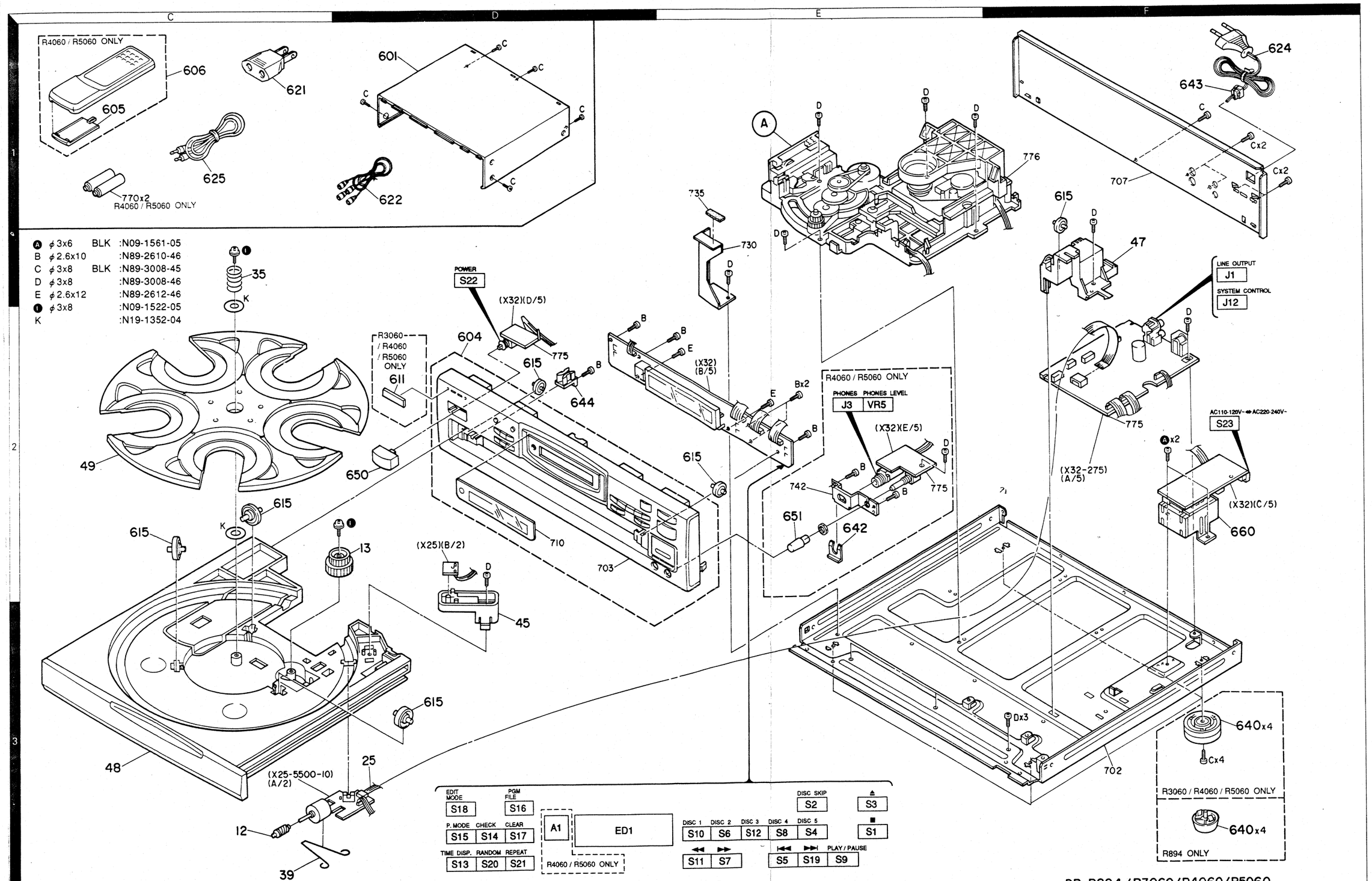


TC7S04F



DP-R894/R3060/R4060/R5060

EXPLODED VIEW(UNIT)

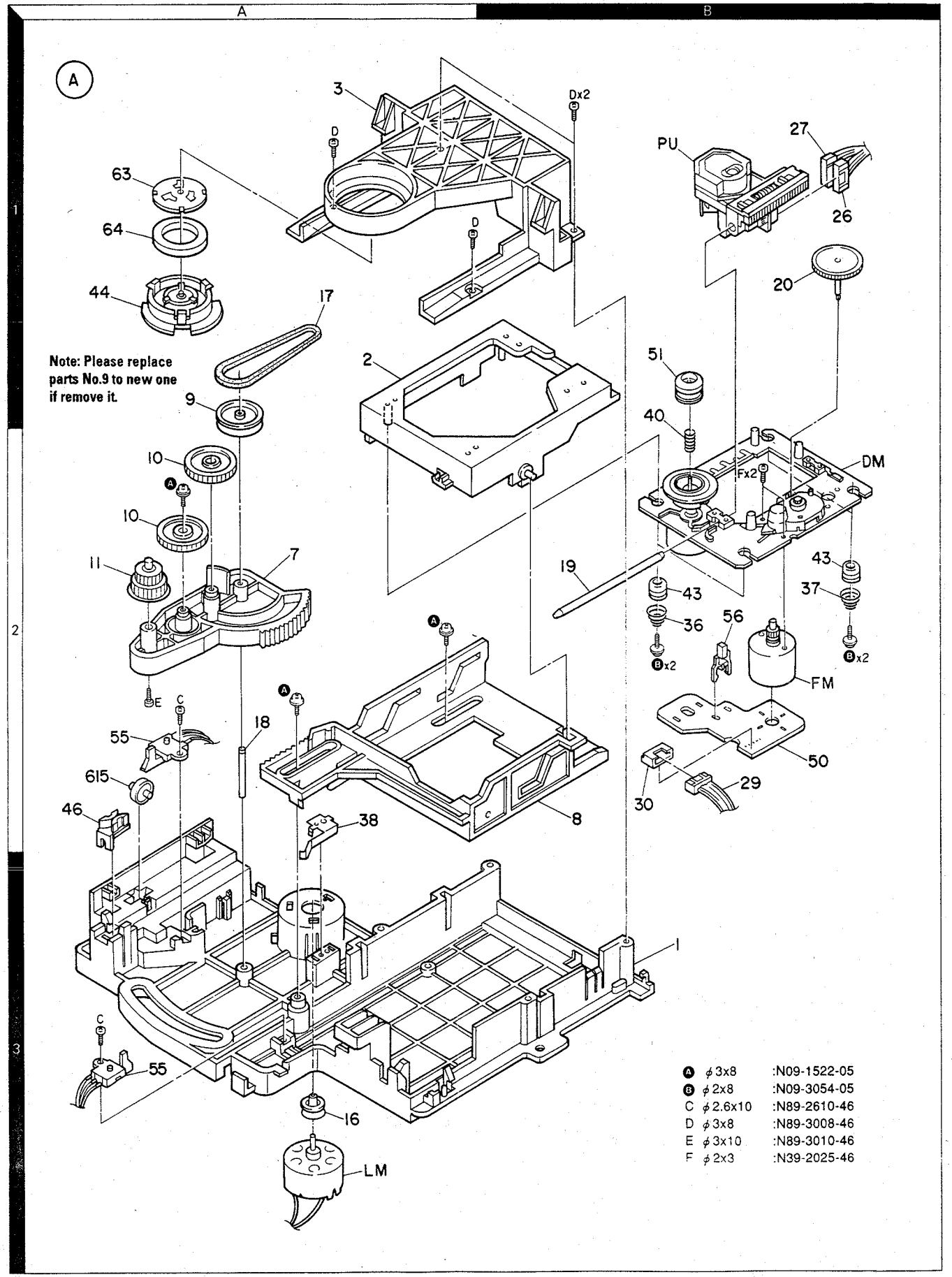


DP-R894 / R3060/R4060/R5060

Parts with the exploded numbers larger than 700 are not supplied

DP-R894/R3060/R4060/R5060

EXPLODED VIEW(MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied

✳ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❶

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			DP-R894			
601	1D		A01-3103-01	METALLIC CABINET		
604	2D	*	A60-0537-02	PANEL ASSY		W
604	2D	*	A60-0537-02	PANEL ASSY		S
604	2D	*	A60-0601-02	PANEL ASSY		J
-			B46-0092-33	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	KR	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-03	CAUTION CARD (UL)	KYR	
-			B58-0965-03	CAUTION CARD (PL)	PX	
-			B58-0966-03	CAUTION CARD (PL)	M	
-			B58-0970-03	CAUTION CARD (PL)	R	
-		*	B60-1485-00	INSTRUCTION MANUAL (ENGLISH)		
-			B60-1607-00	INSTRUCTION MANUAL (FRENCH)	P	
-		*	B60-1608-00	INSTRUCTION MANUAL (SPANISH)	MR	
-		*	B60-1609-00	INSTRUCTION MANUAL (CHINESE)	M	
615	2C,3D		D14-0357-04	ROLLER		
⚠ 621	1C		E03-0115-05	AC PLUG ADAPTER	M	
622	1D		E30-0505-05	AUDIO CORD		
⚠ 624	1F		E30-2592-15	AC POWER CORD	M	
⚠ 624	1F		E30-2605-05	AC POWER CORD	Y	
⚠ 624	1F		E30-2650-05	AC POWER CORD	KPR	
⚠ 624	1F		E30-2717-05	AC POWER CORD	X	
625	1C		E30-2733-05	CORD WITH PLUG		
-			H10-5688-02	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5689-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5753-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5754-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5806-02	POLYSTYRENE FOAMED FIXTURE		J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H13-0152-04	CARTON BOARD	X	S
-		*	H13-0152-04	CARTON BOARD	X	W
-			H13-0159-04	CARTON BOARD	X	J
-			H20-0568-04	PROTECTION COVER	M	
-			H21-0287-04	PROTECTION SHEET		J
-			H21-0303-04	PROTECTION SHEET		W
-			H21-0303-04	PROTECTION SHEET		S
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0368-04	PROTECTION BAG	KPYXR	
-		*	H50-0948-04	ITEM CARTON CASE	KPYXR	W
-		*	H50-0949-04	ITEM CARTON CASE	M	W
-		*	H50-1058-04	ITEM CARTON CASE	KPYXR	S
-		*	H50-1104-04	ITEM CARTON CASE	M	S
-		*	H50-1127-04	ITEM CARTON CASE	KPYXR	J
-		*	H50-1127-04	ITEM CARTON CASE	M	J
640	3F		J02-0366-15	FOOT		
⚠ 643	1F		J42-0083-05	POWER CORD BUSHING		
644	2D		J90-0811-04	GUIDE		

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

✳ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❷

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-			J61-0307-05	WIRE BAND	YMX	
650	2D		K27-2112-04	KNOB (BUTTON) POWER		
⚠ 660	2F		L07-0858-05	POWER TRANSFORMER	KPR	
⚠ 660	2F		L07-0859-05	POWER TRANSFORMER	YM	
⚠ 660	2F		L07-0860-05	POWER TRANSFORMER	X	
			DP-R3060			
601	1D		A01-3103-01	METALLIC CABINET		
604	2D	*	A60-0535-02	PANEL ASSY		W
604	2D	*	A60-0535-02	PANEL ASSY		S
604	2D	*	A60-0602-02	PANEL ASSY		J
611	2D		B43-0300-14	KENWOOD BADGE		
-			B46-0092-33	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	KR	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-03	CAUTION CARD (UL)	KYR	
-			B58-0965-03	CAUTION CARD (PL)	PX	
-			B58-0966-03	CAUTION CARD (PL)	M	
-			B58-0970-03	CAUTION CARD (PL)	R	
-			B60-1485-00	INSTRUCTION MANUAL (ENGLISH)		
-		*	B60-1607-00	INSTRUCTION MANUAL (FRENCH)	P	
-			B60-1608-00	INSTRUCTION MANUAL (SPANISH)	MR	
-			B60-1609-00	INSTRUCTION MANUAL (CHINESE)	M	
615	2C,3D		D14-0357-04	ROLLER		
⚠ 621	1C		E03-0115-05	AC PLUG ADAPTER	M	
622	1D		E30-0505-05	AUDIO CORD		
⚠ 624	1F		E30-2592-15	AC POWER CORD	M	
⚠ 624	1F		E30-2605-05	AC POWER CORD	Y	
⚠ 624	1F		E30-2650-05	AC POWER CORD	KPR	
⚠ 624	1F		E30-2717-05	AC POWER CORD	X	
625	1C		E30-2733-05	CORD WITH PLUG		
-			H10-5688-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5689-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5753-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5754-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5806-02	POLYSTYRENE FOAMED FIXTURE		J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE		J
-			H13-0152-04	CARTON BOARD	X	W
-			H13-0152-04	CARTON BOARD	X	S
-			H13-0159-04	CARTON BOARD	X	J
-			H20-0567-04	PROTECTION COVER	M	W
-			H20-0567-04	PROTECTION COVER	M	J
-			H21-0287-04	PROTECTION SHEET		J
-			H21-0303-04	PROTECTION SHEET		W
-			H21-0303-04	PROTECTION SHEET		S
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0319-04	PROTECTION BAG	KPYXR	W
-			H25-0319-04	PROTECTION BAG	KPYXR	S

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-		*	H50-0946-04	ITEM CARTON CASE	KPYXR	W
-		*	H50-0947-04	ITEM CARTON CASE	M	W
-		*	H50-1057-04	ITEM CARTON CASE	KPYXR	S
-		*	H50-1105-04	ITEM CARTON CASE	M	S
-		*	H50-1128-04	ITEM CARTON CASE		J
640	3F		J02-1013-05	FOOT (REAR)	KPR	
640	3F		J02-1024-05	FOOT (FRONT)	KPR	
640	3F		J02-1034-05	FOOT (FRONT/REAR)	YMX	
⚠ 643	1F		J42-0083-05	POWER CORD BUSHING		
644	2D		J90-0811-04	GUIDE		
-			J61-0307-05	WIRE BAND	YMX	
650	2D		K27-2112-04	KNOB (BUTTON) POWER		
⚠ 660	2F		L07-0858-05	POWER TRANSFORMER	KPR	
⚠ 660	2F		L07-0859-05	POWER TRANSFORMER	YM	
⚠ 660	2F		L07-0860-05	POWER TRANSFORMER	X	
			DP-R4060			
601	1D		A01-3103-01	METALLIC CABINET		
604	2D	*	A60-0533-02	PANEL ASSY		S
604	2D	*	A60-0533-02	PANEL ASSY		W
604	2D	*	A60-0600-02	PANEL ASSY		J
605	1C		A09-0170-08	BATTERY COVER		
606	1C		A70-0972-05	REMOTE CONTROLLER ASSY		
611	2D		B43-0300-14	KENWOOD BADGE		
-			B46-0092-33	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	KR	
-			B46-0310-03	WARRANTY CARD	TE	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T	
-			B58-0961-04	CAUTION CARD	T	
-			B58-0964-03	CAUTION CARD (UL)	KYR	
-			B58-0965-03	CAUTION CARD (PL)	PXT	
-			B58-0966-03	CAUTION CARD (PL)	ME	
-			B58-0970-03	CAUTION CARD (PL)	R	
-		*	B60-1480-00	INSTRUCTION MANUAL (ENGLISH)		
-		*	B60-1481-00	INSTRUCTION MANUAL (FRENCH)	PE	
-		*	B60-1482-00	INSTRUCTION MANUAL (SPANISH)	MER	
-		*	B60-1483-00	INSTRUCTION MANUAL (CHINESE)	M	
-		*	B60-1484-00	INSTRUCTION MANUAL (G/D/I)	E	
615	2C, 3D		D14-0357-04	ROLLER		
⚠ 621	1C		E03-0115-05	AC PLUG ADAPTER	M	
622	1D		E30-0505-05	AUDIO CORD		
⚠ 624	1F		E30-2592-15	AC POWER CORD	ME	
⚠ 624	1F		E30-2605-05	AC POWER CORD	Y	
⚠ 624	1F		E30-2650-05	AC POWER CORD	KPR	
⚠ 624	1F		E30-2717-05	AC POWER CORD	X	
⚠ 624	1F		E30-2721-05	AC POWER CORD	T	
625	1C		E30-2733-05	CORD WITH PLUG		

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-			H10-5688-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	S
-			H10-5688-02	POLYSTYRENE FOAMED FIXTURE	R	S
-		*	H10-5689-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	S
-		*	H10-5689-02	POLYSTYRENE FOAMED FIXTURE	R	S
-		*	H10-5690-02	POLYSTYRENE FOAMED FIXTURE	T	W
-		*	H10-5690-02	POLYSTYRENE FOAMED FIXTURE	T	S
-		*	H10-5691-02	POLYSTYRENE FOAMED FIXTURE	T	W
-		*	H10-5691-02	POLYSTYRENE FOAMED FIXTURE	T	S
-		*	H10-5753-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	W
-		*	H10-5753-02	POLYSTYRENE FOAMED FIXTURE	R	W
-			H10-5754-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	W
-			H10-5754-02	POLYSTYRENE FOAMED FIXTURE	R	W
-			H10-5806-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE	R	J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE	R	J
-		*	H10-5808-02	POLYSTYRENE FOAMED FIXTURE	T	J
-		*	H10-5809-02	POLYSTYRENE FOAMED FIXTURE	T	J
-			H13-0152-04	CARTON BOARD	X	W
-			H13-0152-04	CARTON BOARD	X	S
-			H13-0159-04	CARTON BOARD	X	J
-			H20-0567-04	PROTECTION COVER	M	W
-			H20-0567-04	PROTECTION COVER	M	S
-			H21-0287-04	PROTECTION SHEET		J
-			H21-0303-04	PROTECTION SHEET		W
-			H21-0303-04	PROTECTION SHEET		S
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	R	
-			H25-0319-04	PROTECTION BAG	KPYXER	
-			H25-0651-04	PROTECTION BAG	T	
-			H25-0657-04	PROTECTION BAG	T	
-		*	H50-0943-04	ITEM CARTON CASE	KPYXE	W
-		*	H50-0943-04	ITEM CARTON CASE	R	W
-		*	H50-0944-04	ITEM CARTON CASE	M	W
-			H50-0945-04	ITEM CARTON CASE	T	W
-		*	H50-1056-04	ITEM CARTON CASE	KPYXER	S
-		*	H50-1102-04	ITEM CARTON CASE	M	S
-			H50-1103-04	ITEM CARTON CASE	T	S
-		*	H50-1125-04	ITEM CARTON CASE	KPYMXE	J
-		*	H50-1125-04	ITEM CARTON CASE	R	J
-		*	H50-1126-04	ITEM CARTON CASE	T	J
640	3F		J02-1013-05	FOOT (REAR)	KPR	
640	3F		J02-1024-05	FOOT (FRONT)	KPR	
640	3F		J02-1034-05	FOOT (FRONT/REAR)	YMXTE	
642	2E		J21-3326-05	JACK MOUNTING HARDWARE		
⚠ 643	1F		J42-0083-05	POWER CORD BUSHING		
644	2D		J90-0811-04	GUIDE		
-			J61-0307-05	WIRE BAND	YMXTE	
650	2D		K27-2112-04	KNOB (BUTTON) POWER		
651	2E		K29-3928-04	KNOB (PHONES)		
⚠ 660	2F		L07-0858-05	POWER TRANSFORMER	KPR	
⚠ 660	2F	*	L07-0859-05	POWER TRANSFORMER	YM	
⚠ 660	2F	*	L07-0860-05	POWER TRANSFORMER	XTE	

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

PARTS LIST

DP-R894/R3060/R4060/R5060

＊ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			DP-R5060			
601	1D		A01-3103-01	METALLIC CABINET		
604	2D	*	A60-0531-02	PANEL ASSY		W
604	2D	*	A60-0531-02	PANEL ASSY		S
604	2D	*	A60-0599-02	PANEL ASSY		J
605	1C		A09-0170-08	BATTERY COVER		
606	1C	*	A70-0971-05	REMOTE CONTROLLER ASSY		
611	2D		B43-0300-14	KENWOOD BADGE		
-			B46-0092-33	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	KR	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-03	CAUTION CARD (UL)	KYRP	
-			B58-0965-03	CAUTION CARD (PL)	X	
-			B58-0966-03	CAUTION CARD (PL)	M	
-			B58-0970-03	CAUTION CARD (PL)	R	
-			B60-1476-00	INSTRUCTION MANUAL (ENGLISH)		
-			B60-1477-00	INSTRUCTION MANUAL (FRENCH)	P	
-			B60-1478-00	INSTRUCTION MANUAL (SPANISH)	MR	
-			B60-1479-00	INSTRUCTION MANUAL (CHINESE)	M	
615	2C,3D		D14-0357-04	ROLLER		
⚠ 621	1C		E03-0115-05	AC PLUG ADAPTER	M	
622	1D		E30-0505-05	AUDIO CORD		
⚠ 624	1F		E30-2592-15	AC POWER CORD	M	
⚠ 624	1F		E30-2605-05	AC POWER CORD	Y	
⚠ 624	1F		E30-2650-05	AC POWER CORD	KRP	
⚠ 624	1F		E30-2717-05	AC POWER CORD	X	
625	1C		E30-2733-05	CORD WITH PLUG		
-			H10-5688-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5691-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5753-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5754-02	POLYSTYRENE FOAMED FIXTURE		W
-			H10-5806-02	POLYSTYRENE FOAMED FIXTURE		J
-			H10-5807-02	POLYSTYRENE FOAMED FIXTURE		J
-			H13-0152-04	CARTON BOARD	X	W
-			H13-0152-04	CARTON BOARD	X	S
-			H13-0159-04	CARTON BOARD	X	J
-			H20-0567-04	PROTECTION COVER	M	J
-			H20-0567-04	PROTECTION COVER	M	S
-			H21-0287-04	PROTECTION SHEET		J
-			H21-0303-04	PROTECTION SHEET		W
-			H21-0303-04	PROTECTION SHEET		S
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0319-04	PROTECTION BAG	KYXRP	
-		*	H50-0941-04	ITEM CARTON CASE	KPYXR	W
-		*	H50-0942-04	ITEM CARTON CASE	M	W
-		*	H50-1055-04	ITEM CARTON CASE	KPYXR	S
-		*	H50-1101-04	ITEM CARTON CASE	M	S

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

＊ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis
Teile ohne Parts No. werden nicht geliefert.

6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-		*	H50-1124-04	ITEM CARTON CASE		J
640	3F		J02-1013-05	FOOT (REAR)	KRP	
640	3F		J02-1024-05	FOOT (FRONT)	KRP	
640	3F		J02-1034-05	FOOT (FRONT/REAR)	YMX	
642	2E		J21-3326-05	JACK MOUNTING HARDWARE		
⚠ 643	1F		J42-0083-05	POWER CORD BUSHING		
644	2D		J90-0811-04	GUIDE		
-			J61-0307-05	WIRE BAND	YMX	
650	2D		K27-2112-04	KNOB (BUTTON) POWER		
651	2E		K29-3928-04	KNOB (PHONES)		
⚠ 660	2F		L07-0858-05	POWER TRANSFORMER	KRP	
⚠ 660	2F		L07-0859-05	POWER TRANSFORMER	YM	
⚠ 660	2F		L07-0860-05	POWER TRANSFORMER	X	
			MACHANISM PCB (X25-5500-10)			
PH1			T95-0132-05	OPTO ISOLATOR		
D1			SIR-33ST3	INFRARED LED		
PH2			RPT-38PB3F	PHOTO TRANSISTOR		
			CONTROL (X32-2750*10/X32-2620-10)			
C1			CK73FB1E104K	CHIP C 0.10UF K		
C2			CK73FB1H472K	CHIP C 4700PF K		
C3			CC73FSL1H470J	CHIP C 47PF J		
C4			CK73FF1C474Z	CHIP C 0.47UF Z		
C5			CE04KW1A101M	ELECTRO 100UF 10WV		
C6			CK73FB1E104K	CHIP C 0.10UF K		
C7			CE04HW1HR47M	NP-ELEC 0.47UF 50WV		
C8			CK73FB1E104K	CHIP C 0.10UF K		
C9			CK73FB1H102K	CHIP C 1000PF K		
C10			CC73FSL1H221J	CHIP C 220PF J		
C11			CK73FB1H333K	CHIP C 0.033UF K		
C12			CC73FSL1H101J	CHIP C 100PF J		
C13 ,14			CE04HW1E100M	NP-ELEC 10UF 25WV		
C15			CK73FB1H103K	CHIP C 0.010UF K		
C16			CK73FB1H333K	CHIP C 0.033UF K		
C17 ,18			CK73FB1H103K	CHIP C 0.010UF K		
C19			CE04KW0J331M	ELECTRO 330UF 6.3WV		
C20			CK73FB1H103K	CHIP C 0.010UF K		
C21 ,22			CC73FSL1H150J	CHIP C 15PF J		
C25			CE04KW1A470M	ELECTRO 47UF 10WV		
C26 ,27			CE04KW1A101M	ELECTRO 100UF 10WV		
C28			CC73FSL1H270J	CHIP C 27PF J		
C29			CK73FB1H222K	CHIP C 2200PF K		
C30			CK73FB1H333K	CHIP C 0.033UF K		
C31			CK73FB1H103K	CHIP C 0.010UF K		
C32			CK73FB1H222K	CHIP C 2200PF K		
C33			CE04KW1A101M	ELECTRO 100UF 10WV		
C34			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C35			CK73FB1H102K	CHIP C 1000PF K		
C36			CK73FB1H103K	CHIP C 0.010UF K		
C37			CK73FB1H473K	CHIP C 0.047UF K		
C38			CK73FB1H152K	CHIP C 1500PF K		
C39			CK73FB1H103K	CHIP C 0.010UF K		
C40			CE04KW1HR47M	ELECTRO 0.47UF 50WV		

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made

⚠ indicates safety critical components.

＊ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert

7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C41			CK73FB1H103K	CHIP C 0.010UF K		
C42			CE04KW0J331M	ELECTRO 330UF 6.3WV		
C43			CK73FB1H103K	CHIP C 0.010UF K		
C44			CE04KW1A101M	ELECTRO 100UF 10WV		
C45 ,46			CK73FB1E104K	CHIP C 0.10UF K		
C47 ,48			CE04KW1A101M	ELECTRO 100UF 10WV		
C49			CE04KW0J331M	ELECTRO 330UF 6.3WV		
C50 -52			CK73FB1H103K	CHIP C 0.010UF K		
C53 ,54			CC73FSL1H221J	CHIP C 220PF J		
C55 -58			CC73FSL1H101J	CHIP C 100PF J		
C59 ,60			CE04KW1V100M	ELECTRO 10UF 35WV		
C61 ,62			CK73FB1H103K	CHIP C 0.010UF K		
C63 ,64			CK73FB1H102K	CHIP C 1000PF K		
C65 ,66			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C67 ,68			CK73FB1H103K	CHIP C 0.010UF K		
C69 ,70			CK73FB1H102K	CHIP C 1000PF K		
C71			CK73FB1H103K	CHIP C 0.010UF K		
C72 ,73			CC73FSL1H221J	CHIP C 220PF J		
C74			CE04KW1C332M	ELECTRO 3300UF 16WV		
C75			CE04KW1C221M	ELECTRO 220UF 16WV		
C76			CE04KW1H101M	ELECTRO 100UF 50WV		
C77			CK73FB1H103K	CHIP C 0.010UF K		
C78			CE04KW1V100M	ELECTRO 10UF 35WV		
C79 ,80			CK73FB1H103K	CHIP C 0.010UF K		
C81			CE04KW1A470M	ELECTRO 47UF 10WV		
C82 -87			CK73FB1H103K	CHIP C 0.010UF K		
C88			CK73FF1C224Z	CHIP C 0.22UF Z		
C89			CK73FB1H332K	CHIP C 3300PF K		
C90			CK73FB1H473K	CHIP C 0.047UF K		
C91			CE04KW1V100M	ELECTRO 10UF 35WV		
J1	1F		E63-0068-15	PHONO JACK (OUTPUT)		
J2	1F		E11-0188-05	MINIATURE PHONE JACK(2P)		
J3	2E		E11-0190-05	PHONE JACK (HEADPHONES)		
J12			F10-0820-04	SHIELDING PLATE		
-			J11-0098-05	WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L78-0299-05	RESONATOR (16.934MHZ)		
⚠ R99			RS14KB3D820J	FL-PROOF RS 82 J 2W		
VR1			R12-3687-05	TRIMMING POT.(33K)		
VR2			R12-3685-05	TRIMMING POT.(10K)		
VR3			R12-3688-05	TRIMMING POT.(47K)		
VR4			R12-5651-05	TRIMMING POT.(100K)		
VR5	2E		R10-1004-15	POTENTIOMETER(1K)		
W130-132			R92-0670-05	CHIP R 0 OHM		
S1 -21	3D,3E		S40-1064-05	PUSH SWITCH		
S22	2F		S40-2370-05	PUSH SWITCH		
⚠ S23			S31-2131-05	SLIDE SWITCH (POWER TYPE)	YM	
D1 -3			HSS104	DIODE		
D1 -3			1SS133	DIODE		
D4			HZS2.7N(B2)	ZENER DIODE		
D4			RD2.7ES(B2)	ZENER DIODE		
D5 ,6			DA204U	DIODE		

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made
⚠ indicates safety critical components.

＊ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D7			HZS6.8N(B2)	ZENER DIODE		
D7			RD6.8ES(B2)	ZENER DIODE		
D11 -18			HSS104	DIODE		
D11 -18			1SS133	DIODE		
⚠ D19 -24			S5688B(TPB5)	DIODE		
⚠ D19 -24			1SR139-100(T64)	DIODE		
D25			HZS30N(B)	ZENER DIODE		
D25			RD30ES(B)	ZENER DIODE		
D26			HZS5.6N(B2)	ZENER DIODE		
D26			RD5.6ES(B2)	ZENER DIODE		
D27 -33			HSS104	DIODE		
D27 -33			1SS133	DIODE		
D34			HZS5.6N(B2)	ZENER DIODE		
D34			RD5.6ES(B2)	ZENER DIODE		
ED1	3D		10-BT-131GK	INDICATOR TUBE		
IC1			CXA1782BQ	MOS-IC		
IC2			CXD2517Q	MOS-IC		
IC3			UPD78043GF-068	MEMORY IC		
IC4			X24C16	MEMORY IC		
IC5			BA6398FP	ANALOG IC		
IC6 ,7			TA8409S	IC(MOTOR CONTROL)		
IC8			NJM4565M	IC(OP AMP X2)		
IC9			NJM4558E	ANALOG IC		
IC10			TC7S04F	IC(2CH NAND GATE)		
IC11			SM5874AM	MOS-IC		
Q1			2SB1308(Q,R)	TRANSISTOR		
⚠ Q2			2SB1370(E,F)	TRANSISTOR		
⚠ Q2			2SB1375	TRANSISTOR		
Q3 ,4			2SC2458(Y,GR)	TRANSISTOR		
Q3 ,4			2SC3311A(Q,R)	TRANSISTOR		
Q5			2SB1308(Q,R)	TRANSISTOR		
Q6			2SC2458(Y,GR)	TRANSISTOR		
Q6			2SC3311A(Q,R)	TRANSISTOR		
Q7 ,8			2SC2878(B)	TRANSISTOR		
Q9			2SC2458(Y,GR)	TRANSISTOR		
Q9			2SC3311A(Q,R)	TRANSISTOR		
⚠ Q13			2SA954(L,K)	TRANSISTOR		
Q14			2SC4081(R,S)	TRANSISTOR		
Q15			DTA124EU	DIGITAL TRANSISTOR		
A1	3D		W02-1046-05	ELECTRIC CIRCUIT MODULE		
MACHANISM (X92-1930-10 / X92-1960-10)						
1	3B		A10-3143-02	CHASSIS ASSY		
2	1A		A11-1033-03	SUB CHASSIS		
3	1A		A11-1034-02	SUB CHASSIS		
7	2A		D10-3439-03	ARM		
8	2B		D10-3490-02	SLIDER		
9	1A		D13-1577-04	GEAR		
10	2A		D13-1578-04	GEAR		
11	2A		D13-1579-04	GEAR		
12	3C		D13-1580-04	WORM		
13	2D		D13-1581-04	GEAR		
16	3A		D15-0359-04	PULLEY		
17	1A		D16-0355-03	BELT		
18	2A		D21-1763-04	SHAFT		

L:Scandinavia K:USA P:Canada R:Mexico J:Japan made
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany S:Singapore made
Y:AAFES(Europe) Y:Australia M:Other Areas W:Malaysia made
⚠ indicates safety critical components.

DP-R894/R3060/R4060/R5060

PARTS LIST/SPECIFICATIONS

⑨

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
19	2B		D10-3492-08	FEED SHAFT		
20	1B		D13-1643-08	GEAR (A)		
25	3D		E35-0747-05	FLAT CABLE		
26	1B		E35-0748-05	WIRING HARNESS		
27	1B		E35-0749-05	WIRING HARNESS		
29	2B		E35-0751-05	WIRING HARNESS		
30	2B		E40-3264-05	CONNECTOR(6P)		
35	1C		G01-3630-04	COMPRESSION SPRING		
36	2B		G01-3631-04	COMPRESSION SPRING		
37	2B		G01-3632-04	COMPRESSION SPRING		
38	2A		G02-0927-04	FLAT SPRING		
39	3C		G09-0634-04	WIRE SPRING		
40	1B		G01-3693-08	COMPRESSION SPRING		
43	2B		J02-1100-04	INSULATOR		
44	1A		J11-0198-03	CLAMPER		
45	3D		J19-3634-04	HOLDER		
46	2A		J90-0811-04	GUIDE		
47	1F		J90-0814-02	GUIDE		
48	3C		J99-0535-01	TRAY		
49	2C		J99-0536-01	TRAY		
50	2B		J70-0619-08	MOTOR PCB		
51	1B		J90-0818-08	CENTER RING		
55	2A,3A		S33-2061-05	LEVER SWITCH		
56	2B		S74-0038-08	LEAF SWITCH		
63	1A		T50-1055-04	YOKE		
64	1A		T99-0544-05	MAGNET		
DM	2B		A11-1038-08	TT CHASSIS ASSY		
FM	2B		T42-0676-08	MOTOR GEAR (FEED)		
LM	3A		T42-0524-05	DC MOTOR (LOADING)		
PU	1B		T25-0011-05	PICKUP (KSS-210A)		
RM	3C		T42-0565-05	DC MOTOR (TRAY-ROTARY)		

L:Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AAFES(Europe) Y:Australia M:Other Areas

J:Japan made
S:Singapore made
W:Malaysia made
⚠ indicates safety critical components.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert

SPECIFICATIONS

[Format]

System ..... compact discdigital audio system
Laser ..... Semiconductor laser
Number of channels ..... 2 channels
Playing rotation ..... 200rpm~500rpm(CLV)

[D/A conversion]

D/A conversion ..... 1 Bit
Oversampling ..... 8fs(352.8kHz)

[Audio]

Frequency response ..... 4Hz~20kHz, ±1.0dB
Signal to noise ratio ..... More than 96dB
Dynamic range ..... More than 94dB
Total harmonic distortion ..... Less than 0.007%(at 1kHz)
Channel separation ..... More than 90dB(at 1kHz)
Wow flutter ..... Unmeasurable limit
Output level/impedance
Fixed ..... 2.0V/3.3k Ω
Headphone output(max.) ..... 20mW/32 Ω
(DP-R4060/R5060 only)

[General]

Power consumption 10W
Dimensions ..... W:440mm(17-5/16")
H:128mm. (5-1/16")
D:397mm (15-5/8")
Weight(Net) ..... 5.0kg(11.0lb)

Note : KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A.(K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION
Alive Mitake, 2-5, 1-chome Shibuya, Shibuya-ku, Tokyo 150, Japan

KENWOOD SERVICE CORPORATION
P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.